Deploying Cisco SD-Access (ENSDA) v1.1

What you’ll learn in this course
The Deploying Cisco SD-Access (ENSDA) v1.1 course teaches you how to successfully deploy the Cisco® Software-Defined Access (SD-Access) solution in your enterprise network. This advanced-level, instructor-led, lab-based, hands-on course covers SD-Access fundamentals, provisioning, policies, wireless integration, border operations, and migration strategies. The course also discusses how Cisco SD-Access fits into the Cisco Digital Network Architecture (Cisco DNA).

Course duration
- Instructor-led training: 3 days in the classroom with hands-on lab practice
- Virtual instructor-led training: 4 days of web-based classes with hands-on lab practice

How you’ll benefit
This course will help you:
- Gain hands-on practice using SD-Access with lab exercises
- Deepen your understanding of the SD-Access solution
- Prepare for successful SD-Access deployment

Who should enroll
- System engineers
- Network engineers
- Technical architects
- Technical support personnel
- Channel partners and resellers

How to enroll
- For instructor-led training, visit Cisco Learning Locator.
- For private group training, visit Cisco Private Group Training.

Technology areas
- Networking
- Software-defined networking
Course details

Objectives

Upon completion of this course, you should be able to:

- Describe Cisco SD-Access and how it relates to Cisco DNA
- Orchestrate a Cisco SD-Access solution using the Cisco DNA Center™ orchestration platform
- Use the Network Data Platform to demonstrate the assurance and analytics capabilities of SD-Access

Prerequisites

Before taking this course:

- You should have an understanding of network routing and switching principles equivalent to the Cisco CCNA® certification level.

Outline

- Cisco SD-Access Overview
  - Exploring Cisco SD-Access
  - Describing the Cisco SD-Access Architecture
  - Exploring Cisco DNA Center
  - Configuring Underlay Automation
- Cisco SD-Access Implementation
  - ISE Integration in DNA Center
  - Policy Provisioning Basics
  - Navigating and Managing the Policy Application Workflows
- Cisco SD-Access Border Operations
  - Cisco SD-Access Deployment Models
  - Connecting the Fabric to External Domains
- Wireless Integration Orchestration
  - Integrating Wireless with the Cisco SD-Access Solution
  - Workflow of Cisco SD-Access Wireless
  - Cisco SD-Access Wireless Network Design
  - Cisco SD-Access Wireless Basic Operation
- Cisco SD-Access Assurance and Migration
  - Cisco Network Data Platform
  - Cisco SD-Access Migration Strategies

Lab outline

- Validating DNA Center and Underlay Connectivity
- Configuring the Identity Services Engine
- Enabling Dynamic Authentication
- Configuring DNA Center Design
- Creating SD-Access Policy
● Provisioning SD-Access Overlay
● Configuring SD-Access Wireless Integration
● Configuring Wireless Hosts and Access Points